

FIG.7A

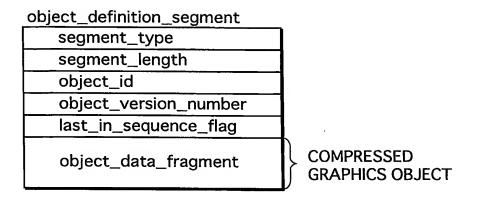
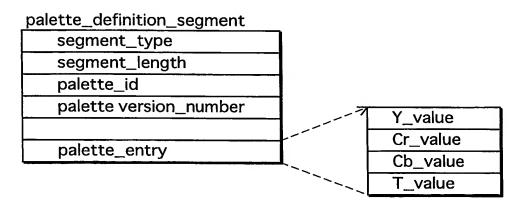
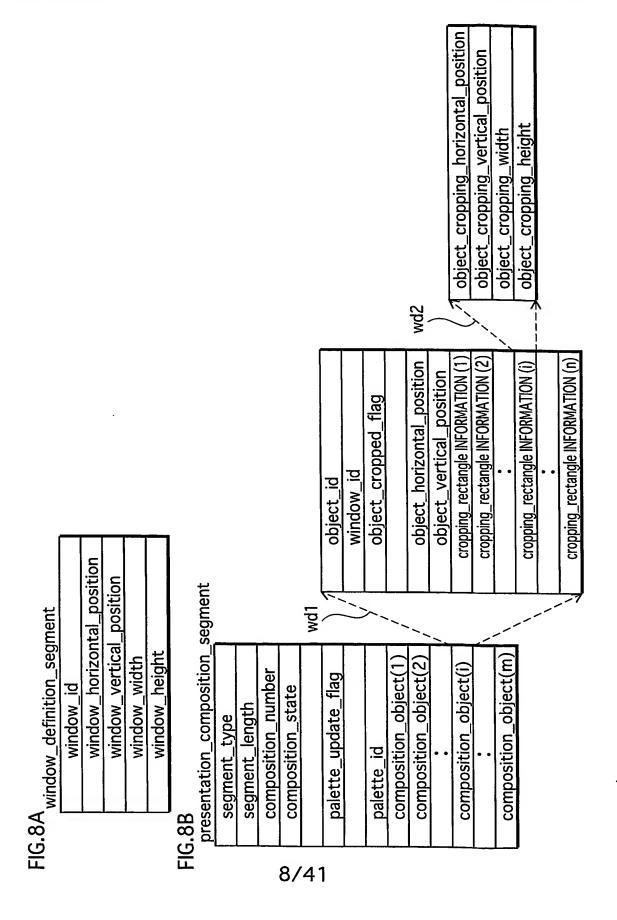


FIG.7B





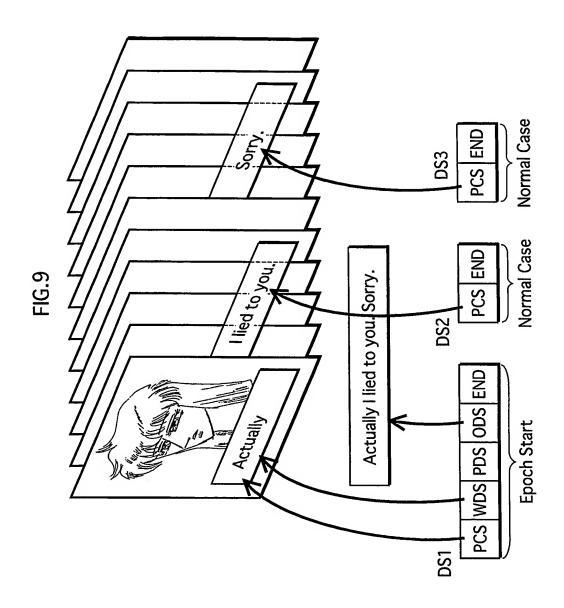


FIG. 10

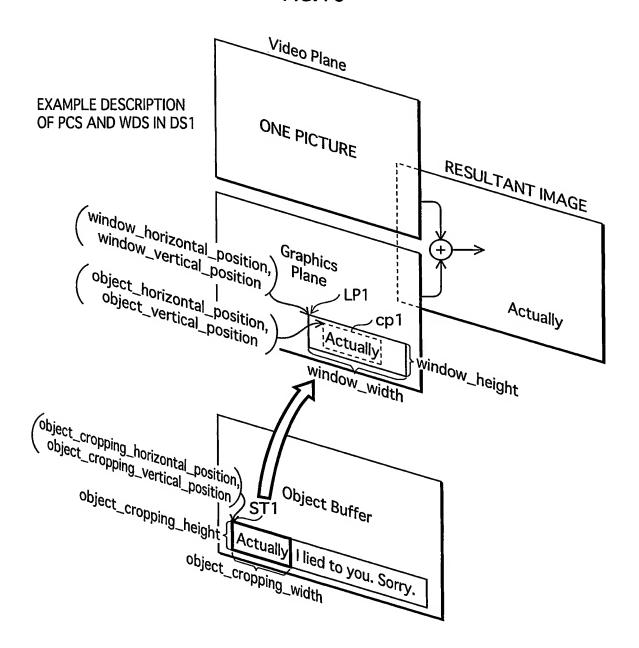


FIG.11

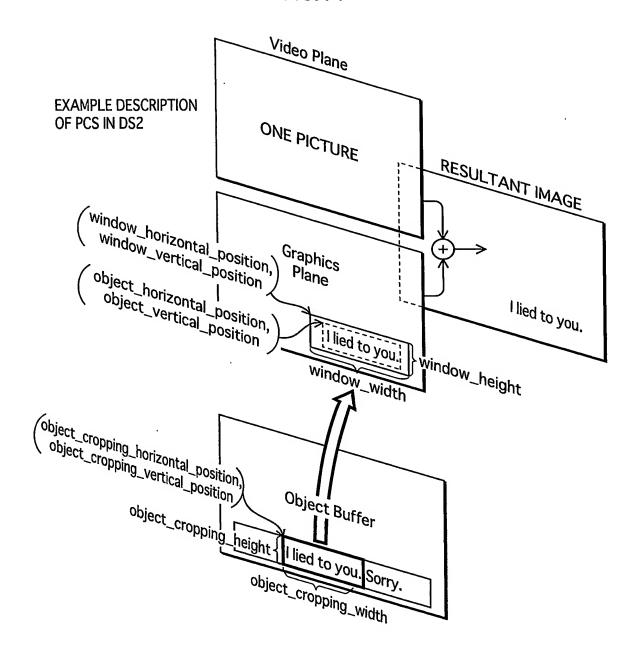
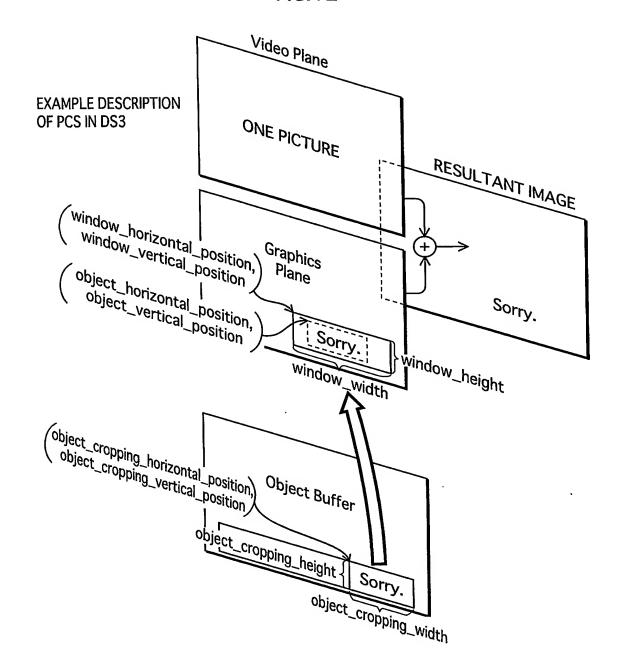
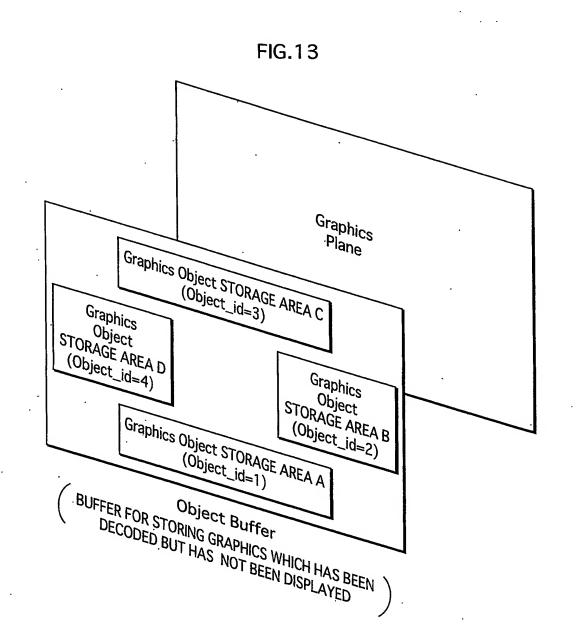
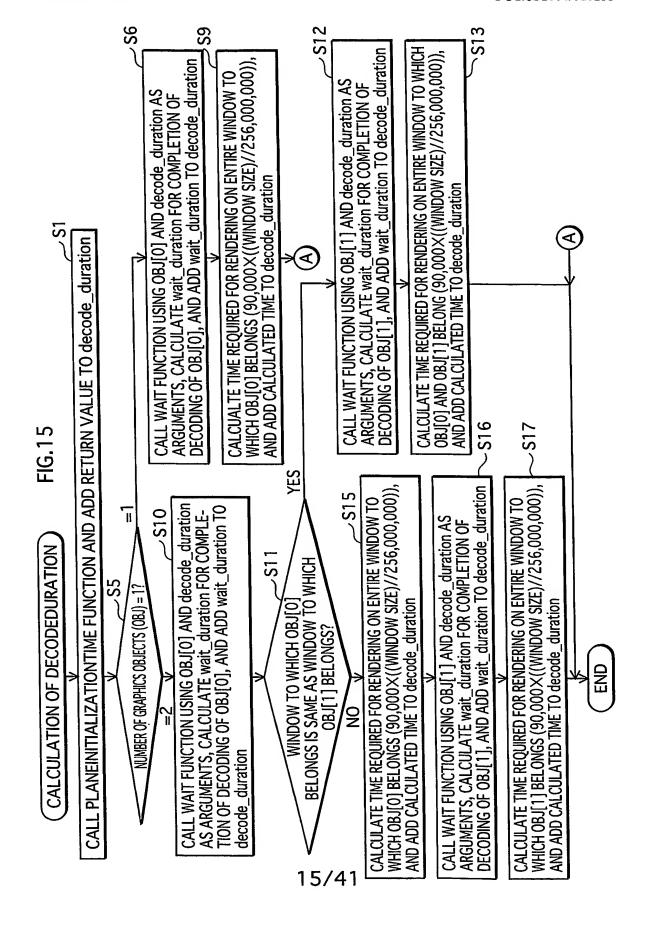


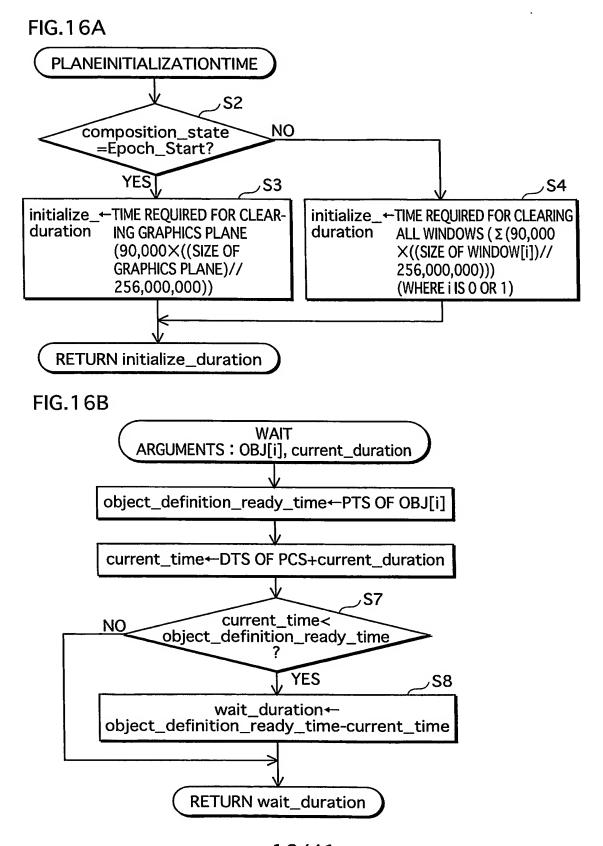
FIG.12



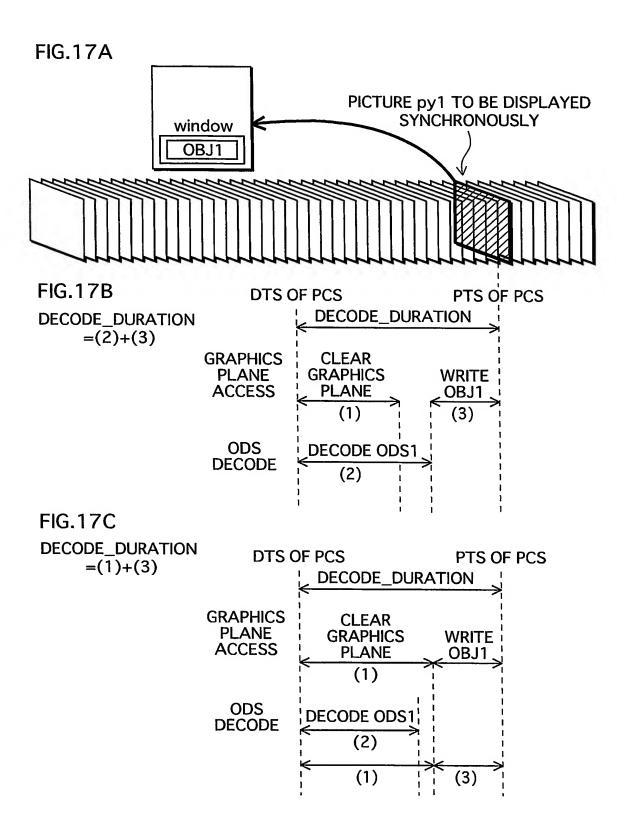


```
FIG. 14<sub>PTS</sub>(DSn[PCS)])>=DTS(DSn[PCS])+DECODEDURATION(DSn)
Where:
       DECODEDURATION(DSn) is calculated as follows:
    decode duration = 0:
    decode_duration += PLANEINITIALIZATIONTIME( DSn );
    if( DSn. PCS. num_of_objects == 2 )
        decode_duration += WAIT( DSn, DSn. PCS. OBJ[0], decode_duration );
       if( DSn. PCS. OBJ[0]. window_id == DSn. PCS. OBJ[1]. window_id )
                decode_duration += WAIT( DSn, DSn. PCS. OBJ[1], decode_duration );
                decode_duration += 90000*(SIZE(DSn. PCS. OBJ[0]. window id)//256*10^6);
        else
                decode\_duration += 90000*(SIZE(DSn. PCS. OBJ[0], window_id)//256*10^6);
                decode_duration += WAIT( DSn, DSn. PCS. OBJ[1], decode_duration );
                decode_duration += 90000*(SIZE(DSn. PCS. OBJ[1]. window_id)//256*10^6);
    else if (DSn. PCS. num of objects == 1)
        decode_duration += WAIT( DSn, DSn, PCS, OBJ[0], decode_duration );
        decode_duration += 90000*(SIZE(DSn. PCS. OBJ[0]. window_id)//256*10^6);
    return decode_duration;
        PLANEINITIALIZATIONTIME( DSn ) is calculated as follows:
    initialize duration=0:
    if( DSn. PCS. composition_state= = EPOCH_START )
       initialize_duration = 90000*(8*video width*video height//256*10<sup>6</sup>);
     }
     else
        for (i=0; i < WDS. num_windows; i++)
                if( EMPTY(DSn.WDS.WIN[i],DSn ) )
                      initialize_duration += 90000*(SIZE(DSn. WDS. WIN[i])//256*10^6);
     return initialize_duration;
        WAIT( DSn, OBJ, current_duration ) is calculated as follows:
     wait duration = 0:
     if(EXISTS(OBJ. object_id, DSn))
         object_definition_ready_time = PTS( GET( OBJ. object_id. DSn ) );
         current_time = DTS( DSn. PCS )+current_duration;
         if( current_time < object_definition_ready_time )</pre>
                wait_duration += object_definition_ready_time - current_time );
     return wait duration;
                                     14/41
```

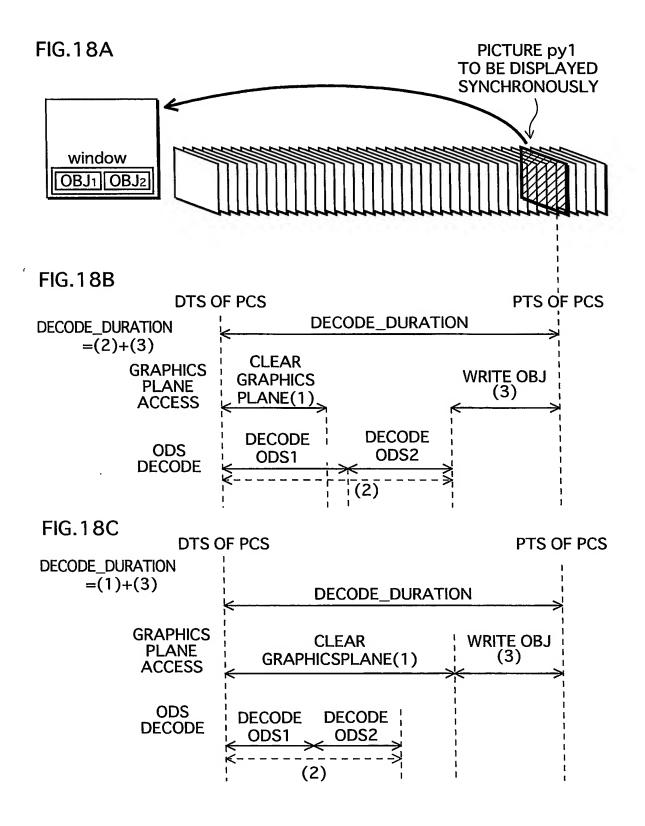




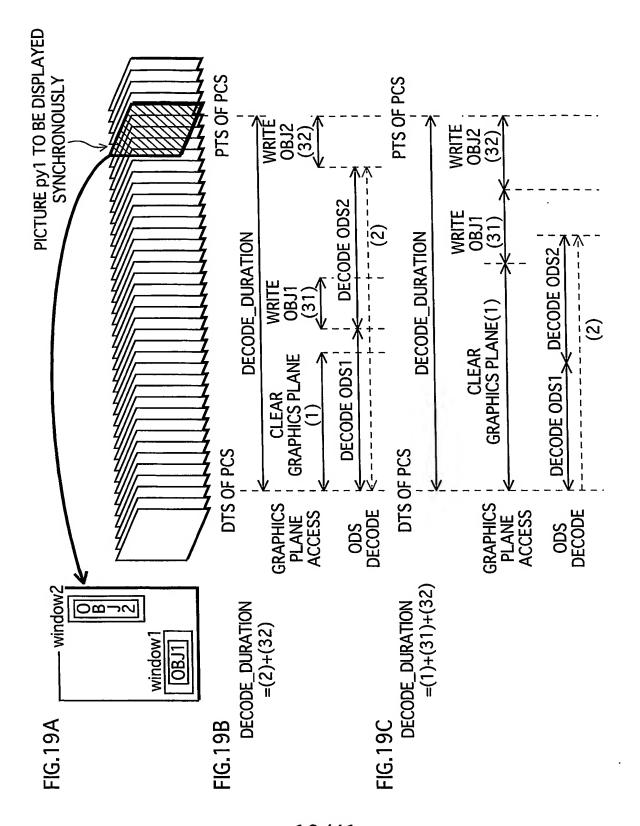
16/41



17/41



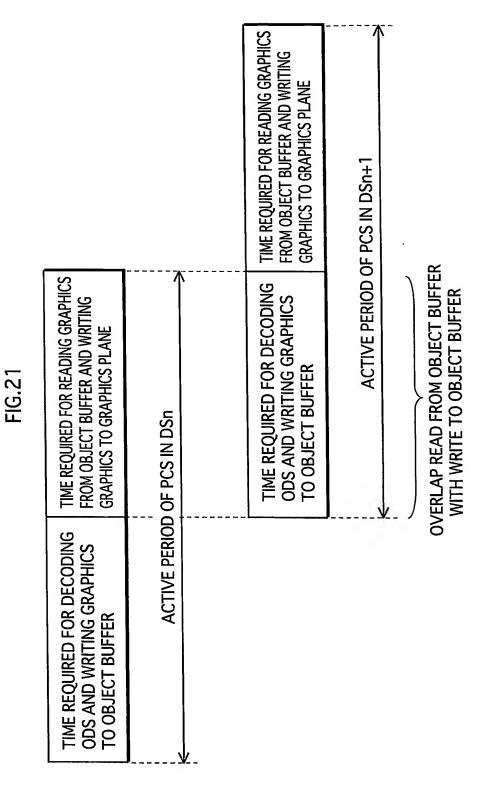
18/41



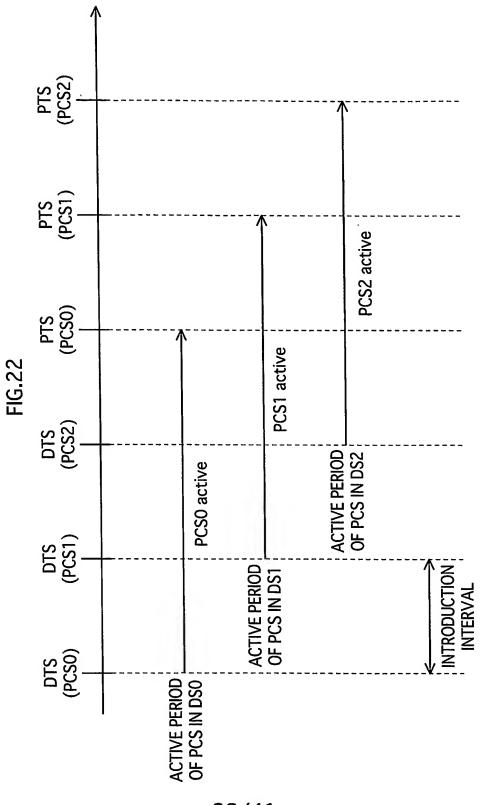
19/41

-16.20

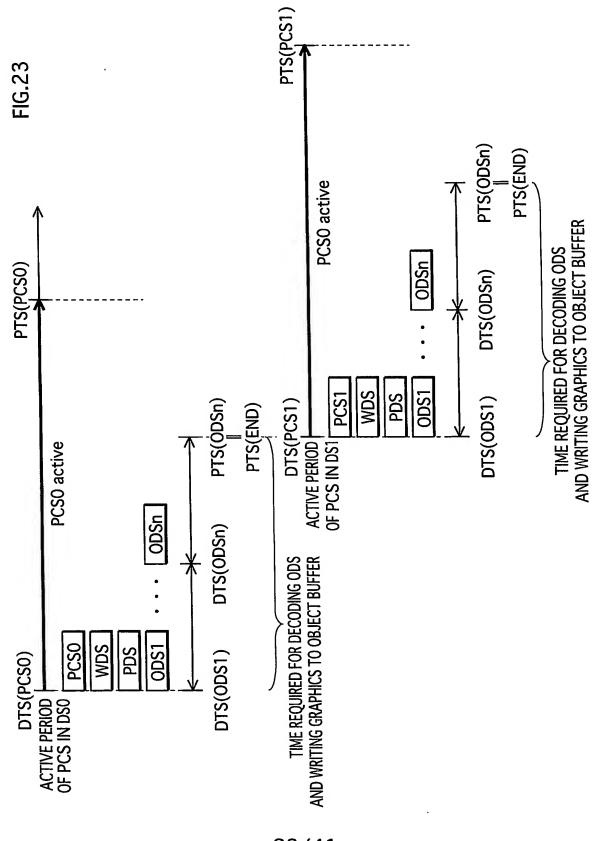
ODS AND WRITING GRAPHICS TO OBJECT BUFFER GRAPHICS TO GRAPHICS PLANE
--



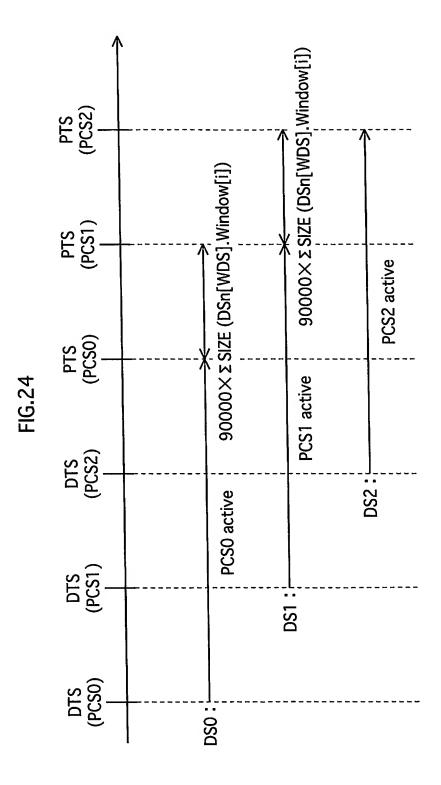
21/41



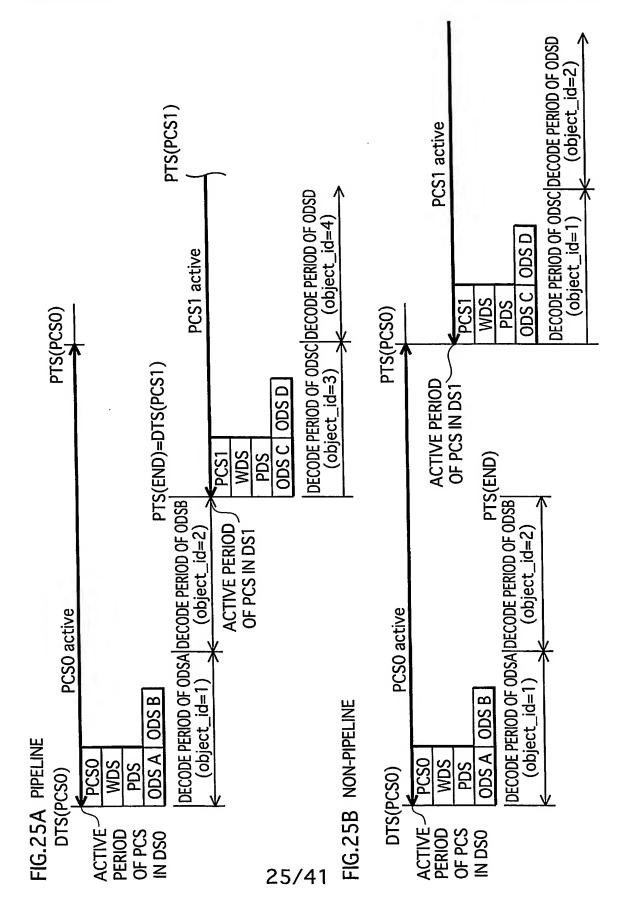
22/41

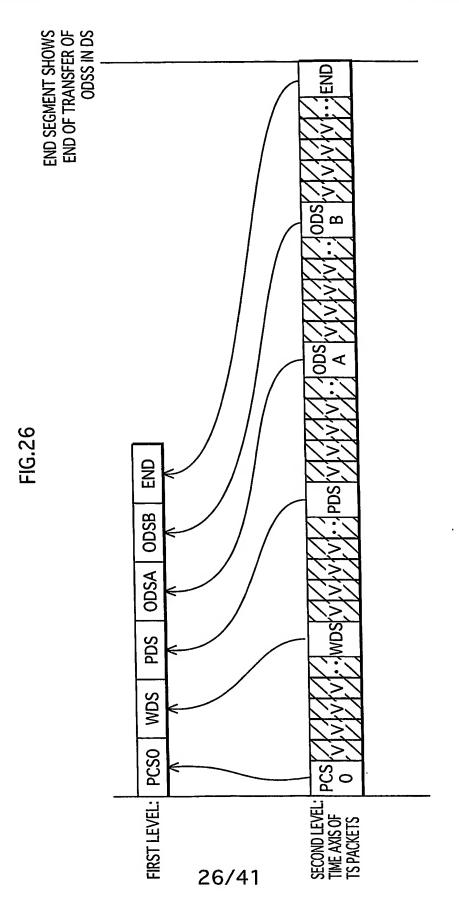


23/41



24/41





WO 2005/006747

FIG.27A SCREEN COMPOSITION

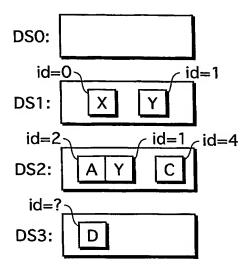


FIG.27B ACTIVE PERIOD OVERLAPPING AND ODS TRANSFER

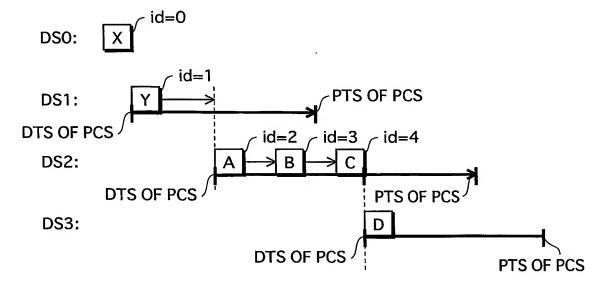
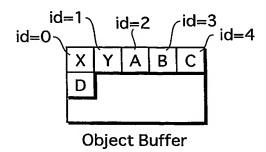
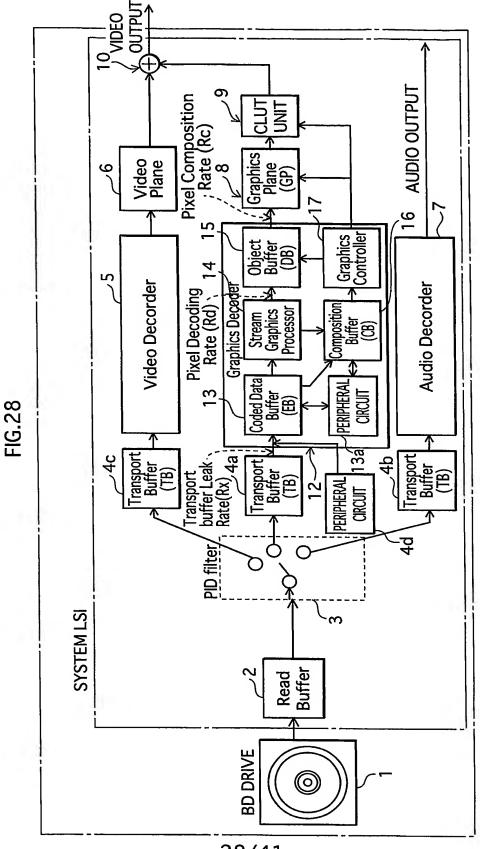
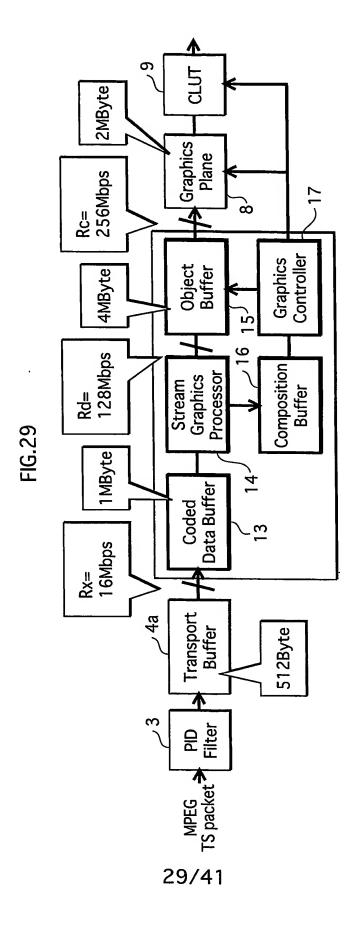


FIG.27C ARRANGEMENT IN OBJECT BUFFER

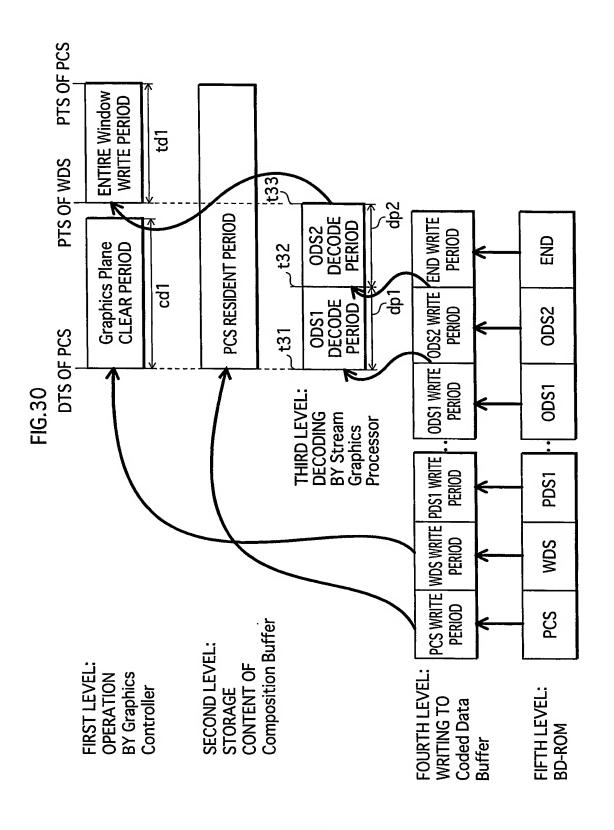




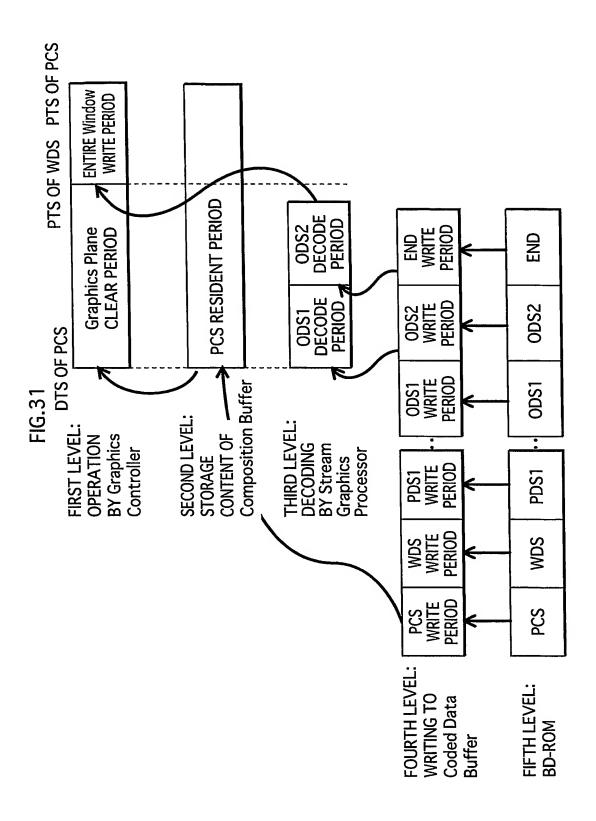
28/41

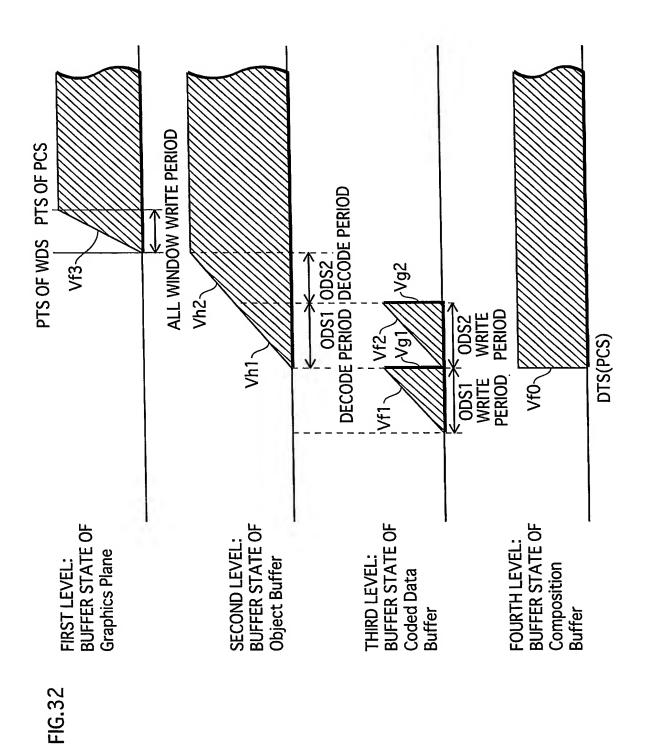


WO 2005/006747

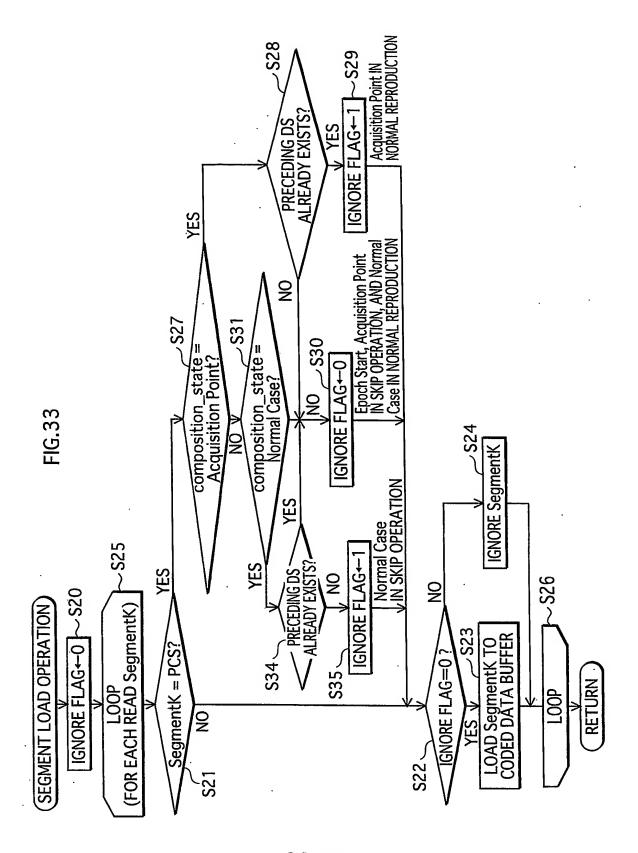


30/41

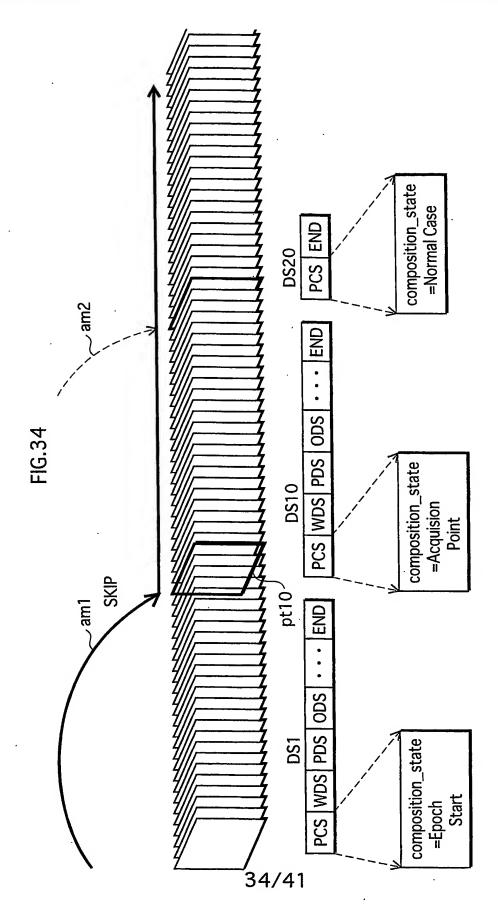


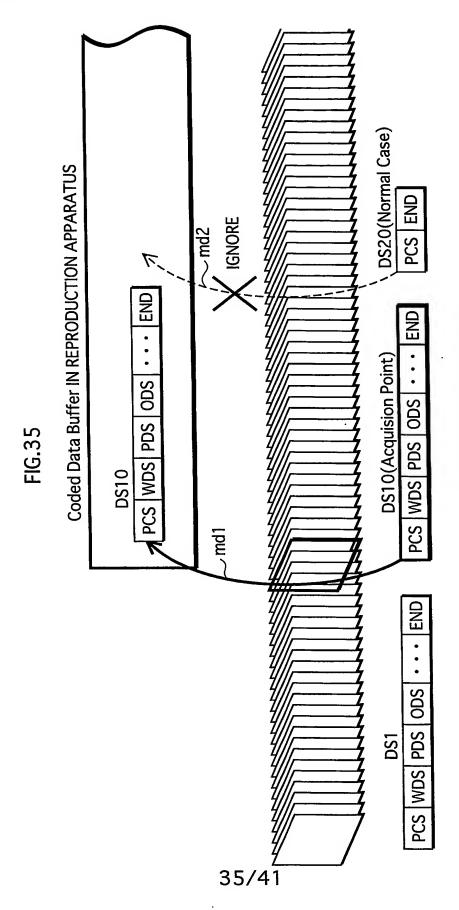


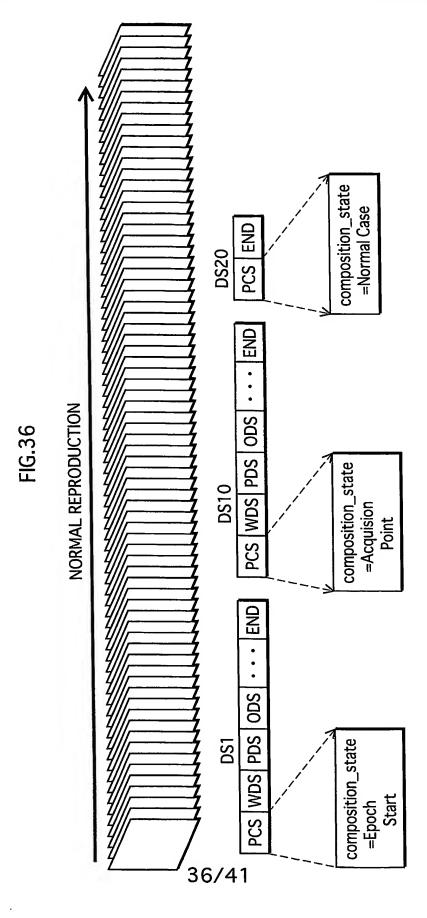
32/41



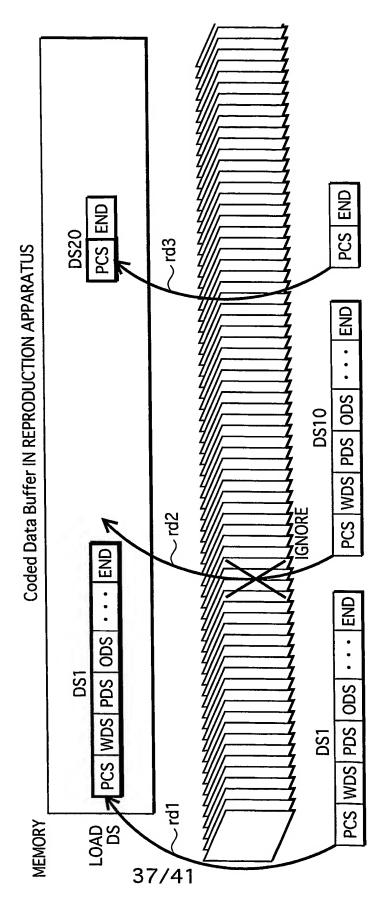
33/41

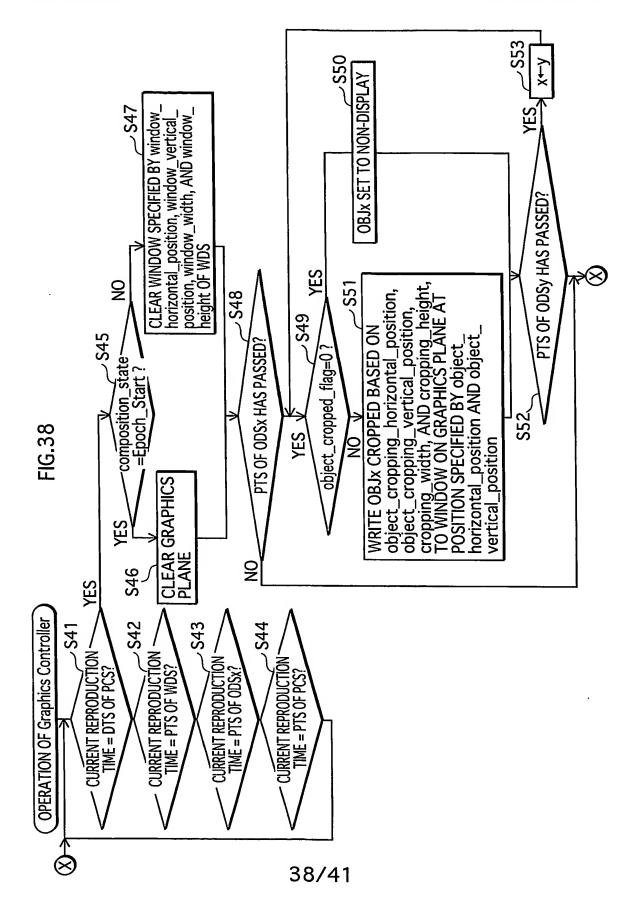












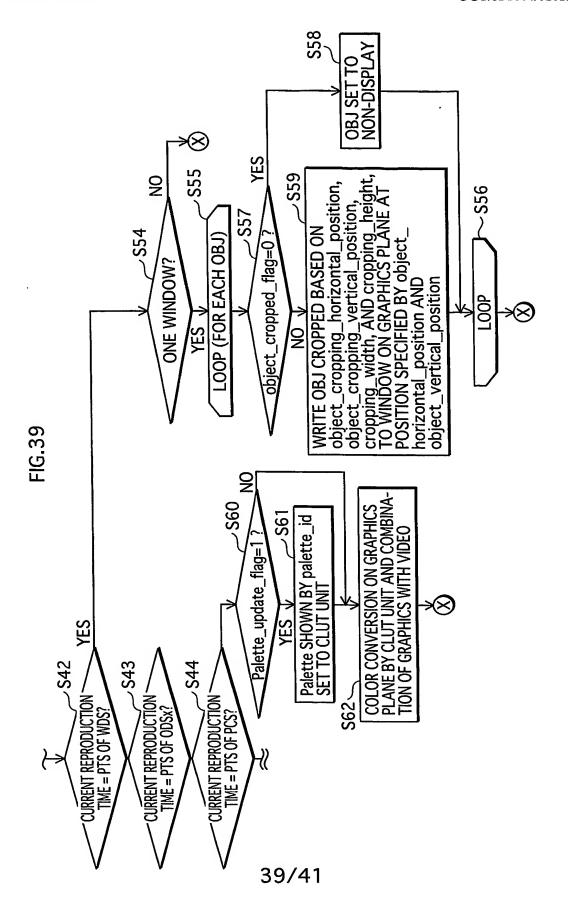


FIG.40

